

**Flood Control Project Maintenance
Levee Inspections****LMA District Cover Sheet****Spring 2016 Levee Inspection Results****Sutter Maintenance Yard Maintenance Area 0017**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2016 Levee Inspection Results

Sutter Maintenance Yard Maintenance Area 0017

Waterway			Bank	Unit Miles
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek			Left	3.87
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	5/2/2016 - 5/2/2016			
DWR Inspector	Keith Millard			
Accompanied By	Bryan Reniff Sutter Maintenance Yard			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard Maintenance Area 0017

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	05/02/2016 05/02/2016	Keith Millard

LM Start		Rating **	A	Issue No.	7
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_MA0017_01_s _ 2013_7				
Comment Code					
Inspector Comment					
The LMA has the O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	8
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_MA0017_01_s _ 2013_8				
Comment Code					
Inspector Comment					
The LMA has adequate flood fight supplies and equipment.					

No Photos

LM Start		Rating **	A	Issue No.	9
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_MA0017_01_s _ 2013_9				
Comment Code					
Inspector Comment					
The LMA completed flood fight training in 2014.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard Maintenance Area 0017

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	05/02/2016 05/02/2016	Keith Millard

LM Start	3.81	Rating **	M	Issue No.	15
LM End	3.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.144980 °	39.144620 °
				-122.907073 °	-122.906546 °
DWR ID	DWR_MA0017_01_s_2016_15				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Large bushes and brambles covering wire fence, limiting visibility and access.					

No Photos

LM Start	3.96	Rating **	M	Issue No.	16
LM End	4.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.143741 °	39.143585 °
				-122.904705 °	-122.903482 °
DWR ID	DWR_MA0017_01_s_2016_16				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Large bushes and brambles growing on wire fence on LS toe limiting visibility and access.					

Photo 1 of 1 : SP_2016_MA0017_339_16_20160509_00028.jpg



5/2/2016: Remove or trim dense vegetation growing on fence to allow visibility and access to L/S toe.

LM Start	4.16	Rating **	U	Issue No.	2
LM End	7.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.141894 °	39.118735 °
				-122.902201 °	-122.884892 °
DWR ID	DWR_MA0017_01_s_2012_2				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Trees and limbs are completely obstructing visibility on crown and WS. Crown is too narrow to drive, and overgrown with weeds, brush and trees. Road follows LS toe.					

Photo 1 of 7 : SP_2016_MA0017_339_2_20160321_00001.jpg



View of the trees along the waterside slope and toe.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard Maintenance Area 0017

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	05/02/2016 05/02/2016	Keith Millard

LM Start	4.16	Rating **	U	Issue No.	2 (cont)	
LM End	7.23	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			39.141894 °		39.118735 °
				-122.902201 °		-122.884892 °
DWR ID	DWR_MA0017_01_s _ 2012_2					
Comment Code						
T2 : Thin trees to allow visibility of the ground and room to flood fight.						
Inspector Comment						
Trees and limbs are completely obstructing visibility on crown and WS. Crown is too narrow to drive, and overgrown with weeds, brush and trees. Road follows LS toe.						

Photo 2 of 7 : SP_2016_MA0017_339_2_20160420_00022.jpg



Photo taken at LM 6.41 looking west showing overgrown LS slope of levee at right and toe road at left. Note trees obstructing visibility and access at levee crown. Crown is +/- 5 feet wide, and impassable to vehicles due to vegetation, and in some places, to pedestrians.
4/19/2016

LM Start	4.16	Rating **	U	Issue No.	2 (cont)
LM End	7.23	Issue Type +	Ma	Location *	WS

Photo 3 of 7 : SP_2016_MA0017_339_2_20160420_00024.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard Maintenance Area 0017

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	05/02/2016 05/02/2016	Keith Millard

LM Start	4.16	Rating **	U	Issue No.	2 (cont)	
LM End	7.23	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			39.141894 °	39.118735 °	
				-122.902201 °	-122.884892 °	
DWR ID	DWR_MA0017_01_s_2012_2					
Comment Code						
T2 : Thin trees to allow visibility of the ground and room to flood fight.						
Inspector Comment						
Trees and limbs are completely obstructing visibility on crown and WS. Crown is too narrow to drive, and overgrown with weeds, brush and trees. Road follows LS toe.						

LM Start	4.16	Rating **	U	Issue No.	2 (cont)
LM End	7.23	Issue Type +	Ma	Location *	WS

Photo 4 of 7 : SP_2016_MA0017_339_2_20160420_00026.jpg



Photo 5 of 7 : SP_2016_MA0017_339_2_20160420_00023.jpg



Photo taken at LM 5.34 looking east showing narrow, overgrown, impassible condition of levee. WS is to right. 4/19/2016

LM Start	4.16	Rating **	U	Issue No.	2 (cont)
LM End	7.23	Issue Type +	Ma	Location *	WS

Photo 6 of 7 : SP_2016_MA0017_339_2_20160420_00027.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard Maintenance Area 0017

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	05/02/2016 05/02/2016	Keith Millard

LM Start	4.16	Rating **	U	Issue No.	2 (cont)	
LM End	7.23	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			39.141894 °		39.118735 °
				-122.902201 °		-122.884892 °
DWR ID	DWR_MA0017_01_s_2012_2					
Comment Code						
T2 : Thin trees to allow visibility of the ground and room to flood fight.						
Inspector Comment						
Trees and limbs are completely obstructing visibility on crown and WS. Crown is too narrow to drive, and overgrown with weeds, brush and trees. Road follows LS toe.						

Photo 7 of 7 : SP_2016_MA0017_339_2_20160420_00025.jpg



Photo taken at LM 5.34 looking west showing narrow, overgrown, impassible condition of levee. WS is to left. 4/19/2016

LM Start	4.27	Rating **	M	Issue No.	25
LM End	4.27	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.140422 °	39.140422 °
				-122.902022 °	-122.902022 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:45783 DS_ID:846 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/23/2015 Still no lid on riser and wheel to operate slide gate is missing.No lid on riser-may or may not be an issue.8/2/2013 Same as last inspection.12/23/2013 Same as last inspection.7/3/2014 Same as last inspection. FIELD_STRUCT_DESC: 24-inch CMP drainpipe through the levee, 19 feet below the crown. Slide gate in 36-inch CMP riser on the waterward slope (USCE 1909). Authorized under ABO 11462, 1975. FS Date: 4/24/2015 7:33:00 AM					

Photo 1 of 2 : UCIP_SP_2016_45783_46858.jpg



Slide gate in CMP riser on WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard Maintenance Area 0017

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	05/02/2016 05/02/2016	Keith Millard

LM Start	4.27	Rating **	M	Issue No.	25 (cont)	
LM End	4.27	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.140422 °	39.140422 °	
				-122.902022 °	-122.902022 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:45783 DS_ID:846 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/23/2015 Still no lid on riser and wheel to operate slide gate is missing.No lid on riser-may or may not be an issue.8/2/2013 Same as last inspection.12/23/2013 Same as last inspection.7/3/2014 Same as last inspection. FIELD_STRUCT_DESC: 24-inch CMP drainpipe through the levee, 19 feet below the crown. Slide gate in 36-inch CMP riser on the waterward slope (USCE 1909). Authorized under ABO 11462, 1975. FS Date: 4/24/2015 7:33:00 AM						

Photo 2 of 2 : UCIP_SP_2016_45783_46857.jpg



LS toe at approximate location of pipe inlet.

LM Start	5.34	Rating **	M	Issue No.	18
LM End	5.34	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.127449 °	39.127449 °
				-122.893460 °	-122.893460 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44730 DS_ID:847 EP_NO: 11469 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/23/2015 Sack ring is still built up underneath the pipes.flood fight materials-ring levees around both LS and WS slopes at pipe crossing. This may or may not be an issue.8/2/2013 Same as last inspection.12/23/2013 Same as last inspection.7/3/2014 Same as last inspection. FIELD_STRUCT_DESC: 1 of 2: 16 inch steel drainpipe through the levee 5-feet below the crown. Drainage pumping plant on the landward side. Flap gate on the waterward end. (ABO No.11469-R.D.# 2070). This entry matches the Drainage/Irrigation Structure referenced in O&M manual (Levee Mile 5.43). Permit document and O&M referred As-built drawings are available. O&M manual Vol. 5, Revision Year 2010. FS Date: 4/24/2015 7:45:25 AM					

Photo 1 of 2 : UCIP_SP_2016_44730_46860.jpg



Pumping plant, pipes, and ring levees on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard Maintenance Area 0017

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	05/02/2016 05/02/2016	Keith Millard

LM Start	5.35	Rating **	M	Issue No.	17
LM End	5.35	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.127451 °	39.127451 °
				-122.893450 °	-122.893450 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:44729
DS_ID:853
EP_NO: 11469
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 4/23/2015 Sack rings still built up underneath the pipes.flood fight materials-ring levees around both LS and WS slopes at pipe crossing. This may or may not be an issue.8/2/2013 Same as last inspection.12/23/2013 Same as last inspection.7/3/2014 Same as last inspection.
FIELD_STRUCT_DESC: 2 of 2: 36-inch steel drainpipe through the levee, 5.0 feet below the crown. Flap gate and air vent on the waterward slope. (ABO No.11469-R.D.# 2070).
This entry matches the Drainage/Irrigation Structure referenced in O&M manual (Levee Mile 5.43). Permit document and O&M referred As-built drawings are available.
O&M manual Vol. 5, Revision Year 2010.
FS Date: 4/24/2015 7:40:33 AM

LM Start	5.35	Rating **	M	Issue No.	17 (cont)
LM End	5.35	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_SP_2016_44729_46864.jpg



Pipes and pump house on LS toe with ring levees.

Photo 2 of 2 : UCIP_SP_2016_44729_46863.jpg



Pipe, flap gate, air vent, and sandbags on WS slope.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard Maintenance Area 0017

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	05/02/2016 05/02/2016	Keith Millard

LM Start	5.78	Rating **	M	Issue No.	19
LM End	5.78	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.127612 °	39.127612 °
				-122.885520 °	-122.885520 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44731 DS_ID:848 EP_NO: 11457 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/23/2015 No cover on riser and no wheel to operate gate.No cover on CMP riser and no handle for actuating gate. This may or may not be an issue.8/2/2013 Handle to operate gate was in place but still no cover on riser.12/23/2013 Same as last inspection.7/3/2014 Same as last inspection. FIELD_STRUCT_DESC: 24-inch drainpipe under patrol road and through the levee, 13.5 feet below the crown. Concrete "U" shaped headwall on the landward end. Slide gate in 36-inch CMP riser on the waterward slope. Riser unit is mounted on concrete base. (ABO No.11457-Crawford). O&M manual Vol. 5, Revision Year 2010 FS Date: 4/24/2015 7:55:38 AM					

Photo 1 of 2 : UCIP_SP_2016_44731_46866.jpg



36-inch CMP riser and slide gate on WS slope.

LM Start	5.78	Rating **	M	Issue No.	19 (cont)
LM End	5.78	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP_SP_2016_44731_46865.jpg



Approximate location of inlet on LS toe (not visible).

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard Maintenance Area 0017

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	05/02/2016 05/02/2016	Keith Millard

LM Start	5.99	Rating **	M	Issue No.	20
LM End	5.99	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.126057 °	39.126057 °
				-122.883096 °	-122.883096 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44735 DS_ID:20589 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/23/2015 12" pipe still ran over the top of roadway. No permit for crossing.8/2/2013 Same as last inspection.12/23/2013 No signs of 12" pvc. Portable tow-pump was lowered down on waterside with 12" pipe ran over roadway.7/3/2014 Same as last inspection. FIELD_STRUCT_DESC: 12-inch HDPE storm drain pipe through the crown of the levee 1.5-feet below the crown. FS Date: 4/24/2015 8:19:23 AM					

Photo 1 of 1 : UCIP_SP_2016_44735_47920.jpg



Portable pump on WS and temporary piping over roadway

LM Start	6.00	Rating **	U	Issue No.	21
LM End	6.00	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.126038 °	39.126038 °
				-122.883351 °	-122.883351 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44736 DS_ID:20587 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 4/23/2015 Erosion on WS shoulder is still present.No permit for this crossing. This is a primer line, used to fill up main pipe before its pump is turned on (Permit No. 11467).8/2/2013 Erosion on WS shoulder above pipes.12/23/2013 Same as last inspection.7/3/2014 Same as last inspection. FIELD_STRUCT_DESC: 4-inch PVC conduit through the levee 2-feet below the crown with plastic pipe running through it to pump on LS. FS Date: 4/24/2015 8:23:35 AM					

Photo 1 of 2 : UCIP_SP_2016_44736_46878.jpg



4-inch pvc pipe with green flexible pipe running through it on WS shoulder.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard Maintenance Area 0017

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	05/02/2016 05/02/2016	Keith Millard

LM Start	6.00	Rating **	U	Issue No.	21 (cont)
LM End	6.00	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.126038 °	39.126038 °
				-122.883351 °	-122.883351 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44736 DS_ID:20587 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 4/23/2015 Erosion on WS shoulder is still present.No permit for this crossing. This is a primer line, used to fill up main pipe before its pump is turned on (Permit No. 11467).8/2/2013 Erosion on WS shoulder above pipes.12/23/2013 Same as last inspection.7/3/2014 Same as last inspection. FIELD_STRUCT_DESC: 4-inch PVC conduit through the levee 2-feet below the crown with plastic pipe running through it to pump on LS. FS Date: 4/24/2015 8:23:35 AM					

Photo 2 of 2 : UCIP_SP_2016_44736_46877.jpg



4-inch pvc pipe with green flexible pipe running through it on WS shoulder.

LM Start	6.00	Rating **	U	Issue No.	22
LM End	6.00	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.126038 °	39.126038 °
				-122.883351 °	-122.883351 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44737 DS_ID:20588 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 4/23/2015 Erosion still present on WS shoulder.No permit for this crossing. It is unclear what these hydraulic lines are for, but it is probably the works for a hydraulic butterfly valve at the outlet.8/2/2013 Erosion on WS shoulder above pipes.12/23/2013 Same as last inspection.7/3/2014 Same as last inspection. FIELD_STRUCT_DESC: 4-inch PVC conduit through the levee 2-feet below the crown with hydraulic lines running through it to pump on LS shoulder. FS Date: 4/24/2015 8:28:45 AM					

Photo 1 of 2 : UCIP_SP_2016_44737_46874.jpg



Pipe and hydraulic lines on WS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard Maintenance Area 0017

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	05/02/2016 05/02/2016	Keith Millard

LM Start	6.00	Rating **	U	Issue No.	22 (cont)
LM End	6.00	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.126038 °	39.126038 °
				-122.883351 °	-122.883351 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44737					
DS_ID:20588					
EP_NO: N/A					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: 4/23/2015 Erosion still present on WS shoulder.No permit for this crossing. It is unclear what these hydraulic lines are for, but it is probably the works for a hydraulic butterfly valve at the outlet.8/2/2013 Erosion on WS shoulder above pipes.12/23/2013 Same as last inspection.7/3/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 4-inch PVC conduit through the levee 2-feet below the crown with hydraulic lines running through it to pump on LS shoulder.					
FS Date: 4/24/2015 8:28:45 AM					

Photo 2 of 2 : UCIP_SP_2016_44737_46873.jpg



Pump station on LS shoulder, see hydraulic pump at right.

LM Start	6.00	Rating **	M	Issue No.	23
LM End	6.00	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.126027 °	39.126027 °
				-122.883371 °	-122.883371 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44738 DS_ID:850 EP_NO: 11467 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/23/2015 Same as last inspection.This pipe and appurtances do not match what was described in the permit (PN: 11467). Does not appear to be in compliance with board regulations.8/2/2013 Same as last inspection.12/23/2013 Same as last inspection.7/3/2014 Same as last inspection. FIELD_STRUCT_DESC: 12-inch drainpipe through the levee, 2-feet below the crown. Butterfly Valve on the landward shoulder. Pump and electric panel along with multiple valves and appurtances on LS shoulder. (ABO No.11467-Modglin)O&M manual Vol. 5, Revision Year 2010. FS Date: 4/24/2015 8:33:13 AM					

Photo 1 of 2 : UCIP_SP_2016_44738_46882.jpg



12-inch pipe and appurtenances on WS shoulder.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard Maintenance Area 0017

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	05/02/2016 05/02/2016	Keith Millard

LM Start	6.00	Rating **	M	Issue No.	23 (cont)
LM End	6.00	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.126027 °	39.126027 °
				-122.883371 °	-122.883371 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44738 DS_ID:850 EP_NO: 11467 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/23/2015 Same as last inspection.This pipe and appurtances do not match what was described in the permit (PN: 11467). Does not appear to be in compliance with board regulations.8/2/2013 Same as last inspection.12/23/2013 Same as last inspection.7/3/2014 Same as last inspection. FIELD_STRUCT_DESC: 12-inch drainpipe through the levee, 2-feet below the crown. Butterfly Valve on the landward shoulder. Pump and electric panel along with multiple valves and appurtances on LS shoulder. (ABO No.11467-Modglin)O&M manual Vol. 5, Revision Year 2010. FS Date: 4/24/2015 8:33:13 AM					

Photo 2 of 2 : UCIP_SP_2016_44738_46881.jpg



12-inch pipe and appurtenances on WS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard Maintenance Area 0017

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	05/02/2016 05/02/2016	Keith Millard

LM Start	7.16	Rating **	M	Issue No.	24
LM End	7.16	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.120083 °	39.120083 °
				-122.886502 °	-122.886502 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:44739
DS_ID:851
EP_NO: 11467
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 4/23/2015 Same as last inspection. Pipe still needs to be properly abandoned. Pipe should be properly abandoned. 8/2/2013 Same as last inspection. 12/23/2013 Same as last inspection. 7/3/2014 Same as last inspection.
FIELD_STRUCT_DESC: 1 of 2: *Abandoned* 16-inch Steel drainpipe through the levee 8-feet below the crown. Drainage pumping plant on the landward side. Flap gate on the waterward end. Steel plate welded on end of pipe at LS toe. (ABO No. 11467- Modglin). This entry matches the Drainage/Irrigation Structure referenced in O&M manual (Levee Mile 7.19). Permit document and O&M referred As-built drawings are available.
O&M manual Vol. 5, Revision Year 2010
FS Date: 4/24/2015 8:36:48 AM

LM Start	7.16	Rating **	M	Issue No.	24 (cont)
LM End	7.16	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_SP_2016_44739_46884.jpg



Pumping plant in shed on LS at drainage ditch.

Photo 2 of 2 : UCIP_SP_2016_44739_46883.jpg



Steel plate welded over end of pipe at LS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	